



## **Comparison of L1 Norm And Global Congruency Test Methods In Control Networks**

H. Nasari

Tehran, Faculty of Engineering, Geomatics, Islamic Republic Of Iran(h.nesari@gmail.com)

### **Abstract**

The computation of the displacements in microgeodesy networks requires the detection of stable and unstable points. The most common methods for evaluation of the stability of points are: a) global congruency test, b) minimization of the displacement vector's L1 norm. In this study, fifty networks are evaluated with these techniques. The results illustrate the L1 norm method is more efficient than the global congruency test for detection of stable points in the control networks.

**Keywords:** L1 norm, Global congruency test methods, Control Networks, Displacement, microgeodesy networks